

1. A structural member for use on a structural support, said member comprising:

a plurality of longitudinally extending girders;

a plurality of composite deck modules, each module comprising:

a plurality of longitudinal beams extending parallel to said girders;

and

a deck portion made of a moldable material attached to said beams,

wherein longitudinally extending sides of adjacent deck portions face one

another and are positioned above a corresponding one of said girders; and

connecting means for connecting said adjacent deck portions to said girders and thereby forming a shear connection therebetween.